

Work Order ID 145989

Thursday, July 07, 2016 10:10:56 AM

ASAP
145989

Page 1

Item ID: D412-704-141

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Pedal Assembly

Start Date: 5/4/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/11/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: *W* Date: Tooling: Date: QC: Date: SPC (Y/N): Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D412-704-141	A

100	Pick Kit	0.00
-----	----------	------

100

Packaging	Memo	0.00
-----------	------	------

Packaging

PC JUL 07 2016

110		0.00
-----	--	------

110

Small Fab	Memo	0.34
-----------	------	------

Small Fab ASSEMBLE AS PER DWG

2x *16/07/14* *DAS 36 9-89*

120	QC5- Inspect part completeness to step on W/O	0.00
-----	---	------

120

QC	Memo	0.01
----	------	------

Quality Control

(2) *JUL 15 2016* *DAS 38 9-89*

16.07.18 *Pkt kit* *Qey*

27 *2* *DAS 6 9-89* *JUL 15 2016*

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

Work Order ID 145989

Thursday, July 07, 2016 10:10:56 AM

145989

Page 2

Item ID: D412-704-141

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Pedal Assembly

Start Date: 5/4/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/11/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: SH29B	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.03							
Quality Control									

2 **9-89****JUL 15 2016****DAS**
21
9-89**JUL 15 2016****DAS**
21
9-89 JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Thursday, July 07, 2016 10:10:55 AM

Page 1

Work Order ID: 145989

145989

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 12-03-21 JLM VERIFIED BY:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3204-041 *D3204-041* Release Pedal Assembly		Manufactured	No				Each	4.0000		2		16/07/14	DAS 36 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				4					
					145992			4					
D3205-1 *D3205-1* Pedal Bracket		Manufactured	No				Each	14.0000		2		16/07/14	DAS 36 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				14					
					144771			9					
					147509			5					
D3205-3 *D3205-3* Back Plate		Manufactured	No				Each	9.0000		2		16/07/14	DAS 36 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				9					
					142884			9					
D3206-1 *D3206-1* Pedal Arm		Manufactured	No				Each	21.0000		2		16/07/14	DAS 36 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				21					
					142663			9					
					145424			12					

Picklist Print

Thursday, July 07, 2016 10:10:55 AM

Page 2

Work Order ID: 145989

145989

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

D3209-041

Manufactured No

Each 11.0000

2

D3209-041

Bracket Assembly

**

16/07/14

DAS
36
9-89

Location

Loc Qty

Loc Code

GA

11

142253

1

144743

10

Each

17.0000

2

D4610-5

Manufactured No

D4610-5

Shim

**

PC

Location

Loc Qty

Loc Code

ST112

17

142240

17

Each

21.0000

2

D4611-1

Manufactured No

D4611-1

Bushing

**

PC

Location

Loc Qty

Loc Code

ST112

21

111836

21

JUL 07 2016

Picklist Print

Thursday, July 07, 2016 10:10:55 AM

Page 3

Work Order ID: 145989

145989

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

AN3-10A Purchased No

Each 273.0000 2

AN3-10A

Bolt

PC

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	2	
m132763	1	
m134573	1	
over003	100	
m134943	100	
ST349	171	
m134249	56	
<u>m134754</u>	15	2
m135135	100	

AN315-4R Purchased No

Each 108.0000 2

AN315-4R

Nut

PC

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST331	108	
<u>M128978</u>	108	2

AN4-10A Purchased No

Each 158.0000 2

AN4-10A

Bolt

PC

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
over003	125	
M134762	125	
ST345	33	
131677	5	
M129682	12	
M133234	16	2

JUL 07 2016

Picklist Print

Thursday, July 07, 2016 10:10:55 AM

Page 4

Work Order ID: 145989

145989

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

AN4-12A

Purchased

No

Each

135.0000

4

AN4-12A******

Bolt

LocationLoc QtyLoc Code

FG

10

120423

10

ST344

125

m134606

125

Each

72.0000

2

MS20002-4

Purchased

No

MS20002-4

WASHER

LocationLoc QtyLoc Code

ST314

72

121114

72

Each

14.0000

2

MS20004-24

Purchased

No

MS20004-24

Bolt

LocationLoc QtyLoc Code

ST314

14

m127304

4

m134537

10

JUL 07 2016

Thursday, July 07, 2016 10:10:56 AM

Shop Packet Print

Page 4

Picklist Print

Thursday, July 07, 2016 10:10:56 AM

Page 5

Work Order ID: 145989

145989

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L3

Purchased

No

Each

2,705.000

2

MS21042L3

PK

Nut

Location

Loc Qty

Loc Code

CCK007

600

m135056

600

FP001

14

m133790

14

GA

127

m134360

127

OVER007

1200

m135135

1200

ST303

764

m134039

12

m134943

752

2

JUL 07 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Thursday, July 07, 2016 10:10:56 AM

Page 6

Work Order ID: 145989

145989

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L4

Purchased

No

Each

2,707.000

10

MS21042L4

**

Locknut

Location

Loc Qty

Loc Code

FP001

51

m133363

51

GA

156

m133769

156

OVER007

1000

m135127

1000

ST3003

500

m134955

500

ST303

906

m127376

12

m134861

394

m135058

500

ST305

94

m130922

94

MS24694-S104

Purchased

No

Each

24.0000

2

MS24694-S104

**

Screw

Location

Loc Qty

Loc Code

ST283

24

121090

24

JUL 07 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

Picklist Print

Thursday, July 07, 2016 10:10:56 AM

Page 7

Work Order ID: 145989

Parent Item: D412-704-141

Parent Item Name: Pedal Assembly

145989

D412-704-141

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

MS9519-10

Purchased

No

Each

31.0000

2

MS9519-10

Bolt

PC

Location

Loc Qty

Loc Code

GA

8

m133790

8

ST267

23

m129198

1

m134573

2

m135056

20

2

NAS1149D0363J

Purchased

No

Each

1,764.000

10

NAS1149D0363.J

Washer

PC

Location

Loc Qty

Loc Code

GA

418

m134055

418

ST263

1346

m134676

346

m134955

1000

10

NAS1149D0416J

Purchased

No

Each

3,903.000

4

NAS1149D0416.J

WASHER

PC

Location

Loc Qty

Loc Code

GA

119

~~m131511~~

119

ST260a

1984

m131511

1984

ST264

1800

m131511

1800

4

JUL 07 2016

Thursday, July 07, 2016 10:10:56 AM

Shop Packet Print

Page 7

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Thursday, July 07, 2016 10:10:56 AM

Page 8

Work Order ID: 145989

145989

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

NAS1149D0463J

Purchased

No

Each

3,129.000

26

NAS1149D0463.J

WASHER

**

PK

DAS
6
9-89

Location

Loc Qty

Loc Code

GA	86	
M132035	21	
M134508	65	
ST260a	2000	
M134943	1000	
M135056	1000	
ST263	1043	
M127693	24	
M134754	19	
M134852	1000	

26

AN3-6A

Purchased

No

Each

304.0000

4

AN3-6A

Bolt

**

PK

DAS
6
9-89

Location

Loc Qty

Loc Code

over003	250	
M134955	250	
ST349	54	
M134848	54	

4

DAS
27
9-89

JUL 15 2016

JUL 07 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process	OTHER : _____							
Misidentified ☐	☐	Past Due								

Picklist Print

Thursday, July 07, 2016 10:10:56 AM

Page 9

Work Order ID: 145989

Parent Item: D412-704-141

Parent Item Name: Pedal Assembly

145989

D412-704-141

Start Date: 5/4/2016

Required Date: 5/11/2016

Start Qty: 2.00

Required Qty: 2.00

NAS1149D0332J

Purchased

No

100

Each

1,796.000

4 8

NAS1149D0332.J

Washer

**

[Signature]

DAS
27
9-89

Location

Loc Qty

Loc Code

CA	6	
m129682	6	
FP001	562	
m134848	562	
GA	987	
m135046	987	
ST264	241	
m134502	8	
m134738	233	

Each

2,705.000

**

JUL 15 2016

DAS
6
9-89

MS21042L3

Purchased

No

100

MS21042L3

Nut

Location

Loc Qty

Loc Code

CCK007	600	
m135056	600	
FP001	14	
m133790	14	
GA	127	
m134360	127	
OVER007	1200	
m135135	1200	
ST303	764	
m134039	12	
m134943	752	

DAS
27
9-89

DAS
6
9-89

JUL 07 2016

DQA: _____ Date: _____

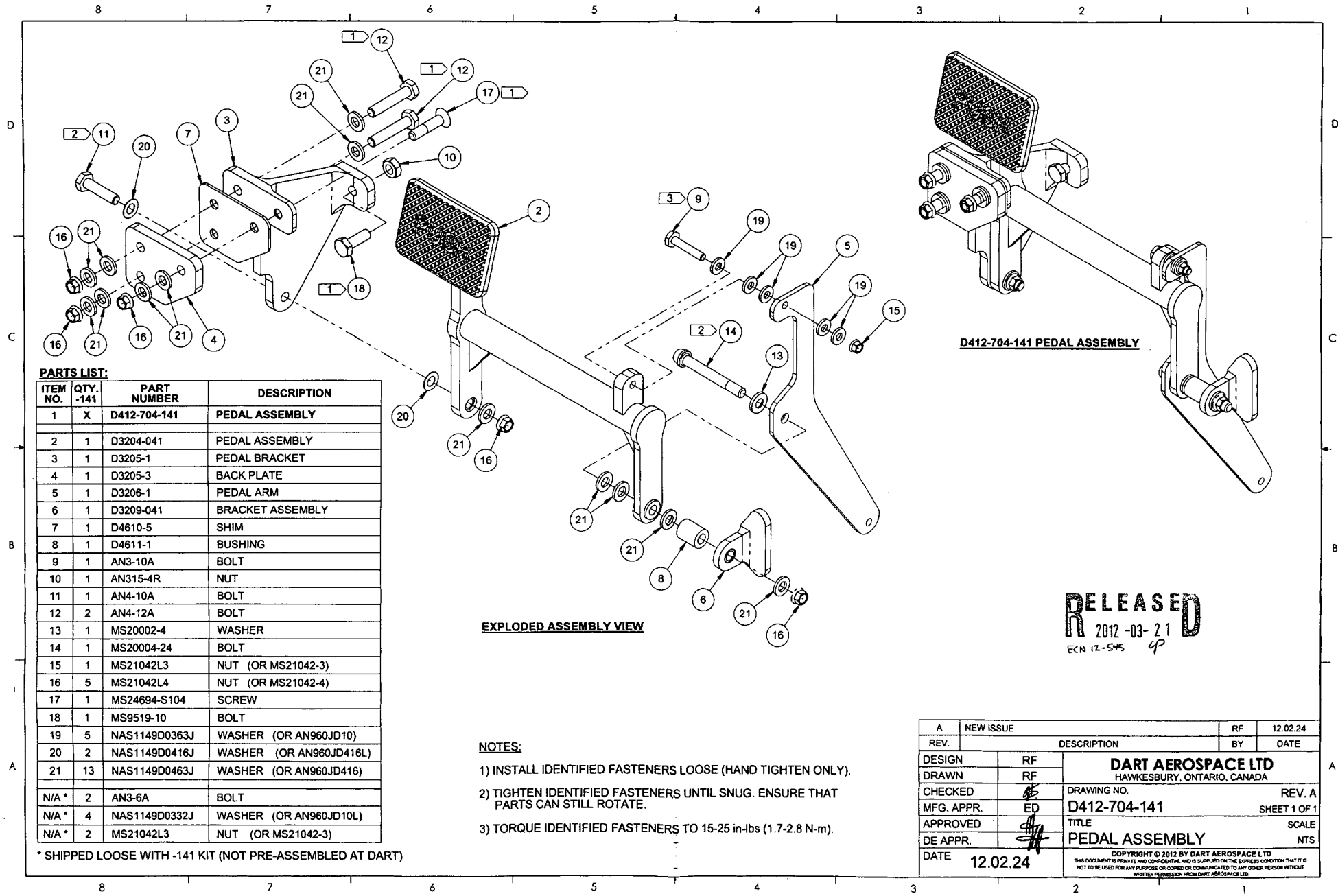


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
OTHER :									



D412-704-141 PEDAL ASSEMBLY

PARTS LIST:

ITEM NO.	QTY. -141	PART NUMBER	DESCRIPTION
1	X	D412-704-141	PEDAL ASSEMBLY
2	1	D3204-041	PEDAL ASSEMBLY
3	1	D3205-1	PEDAL BRACKET
4	1	D3205-3	BACK PLATE
5	1	D3206-1	PEDAL ARM
6	1	D3209-041	BRACKET ASSEMBLY
7	1	D4610-5	SHIM
8	1	D4611-1	BUSHING
9	1	AN3-10A	BOLT
10	1	AN315-4R	NUT
11	1	AN4-10A	BOLT
12	2	AN4-12A	BOLT
13	1	MS20002-4	WASHER
14	1	MS20004-24	BOLT
15	1	MS21042L3	NUT (OR MS21042-3)
16	5	MS21042L4	NUT (OR MS21042-4)
17	1	MS24694-S104	SCREW
18	1	MS9519-10	BOLT
19	5	NAS1149D0363J	WASHER (OR AN960JD10)
20	2	NAS1149D0416J	WASHER (OR AN960JD416L)
21	13	NAS1149D0463J	WASHER (OR AN960JD416)
N/A *	2	AN3-6A	BOLT
N/A *	4	NAS1149D0332J	WASHER (OR AN960JD10L)
N/A *	2	MS21042L3	NUT (OR MS21042-3)

EXPLODED ASSEMBLY VIEW

NOTES:

- 1) INSTALL IDENTIFIED FASTENERS LOOSE (HAND TIGHTEN ONLY).
- 2) TIGHTEN IDENTIFIED FASTENERS UNTIL SNUG. ENSURE THAT PARTS CAN STILL ROTATE.
- 3) TORQUE IDENTIFIED FASTENERS TO 15-25 in-lbs (1.7-2.8 N-m).

* SHIPPED LOOSE WITH -141 KIT (NOT PRE-ASSEMBLED AT DART)

RELEASED
R 2012-03-21
ECN 12-S45 4P

A	NEW ISSUE	RF	12.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	ED	DRAWING NO.	REV. A
MFG. APPR.	ED	D412-704-141	SHEET 1 OF 1
APPROVED	ED	TITLE	SCALE
DE APPR.	ED	PEDAL ASSEMBLY	NTS
DATE	12.02.24	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

w/o 145989

2m 16/05/06